

CLAIMS

[I/we] claim:

1. A remote chime assembly for connection to a primary electric doorbell including a primary activation circuit connected to a first power source, said assembly comprising:
a remote chime including a signal receiver, said receiver for causing said chime to
produce an audio signal when the receiver receives an activation signal;
a transmitter for transmitting said activation signal to said receiver; and
a transmitter actuator connectable to said doorbell primary activation circuit, said
transmitter actuator including voltage storing means connected to the transmitter
for independently actuating the transmitter with its stored voltage in conjunction
with activation of said doorbell, said stored voltage accessed from said first power
source.
2. The remote chime assembly of claim 1 and further comprising:
a second power source connected to said transmitter for powering the transmitter
independently of said first doorbell power source.
3. The remote chime assembly of claim 1 wherein said transmitter actuator is connected to
said first power source and includes a standby mode and an activation mode, said
transmitter actuator being in its standby mode when said primary doorbell is not activated
and in its activation mode when the primary doorbell is activated, said voltage storing
means accumulating said stored voltage from said first power source when in said
standby mode and discharging said stored voltage to activate said transmitter when in
said activation mode.
4. The remote chime assembly of claim 3 and further comprising:

an opto-coupler connecting said transmitter and said transmitter actuator, wherein
activation of said opto-coupler by said transmitter actuator causes the transmitter
to transmit said activation signal to said receiver.

5. The remote chime assembly of claim 4 wherein said transmitter actuator includes a first transistor and a second transistor each having on and off states, the collector of said first transistor connected to the base of said second transistor, said first transistor in its on state when said second transistor is in its off state, said first transistor in its off state when said second transistor is in its on state, said second transistor further connected to said opto-coupler and said voltage storage means such that when the second transistor is on, the opto-coupler is activated said stored voltage in the voltage storage means.
6. The remote chime assembly of claim 5 wherein the base of said first transistor is being biased by said first power source when said transmitter actuator is in its said standby mode to place said first transistor in its on state, said first transistor being isolated from said first power source and in its off state when said transmitter activator is in its said activation mode.